

IN THE CLAIMS:

MARKED-UP VERSION OF CLAIMS

1. (currently amended) A method of obtaining biologically active collagen from skins of fish of the family of salmonidae in which the processed raw material undergoes a separation for cleaning purposes ~~selection~~ and washing, distinctive by this, that the process of cleaning encompasses manual cleaning with the use of tools made of natural materials, removing from the skins, scales, ~~skills~~ gills and meat tissue, so prepared raw material is placed in a solution of lactic acid of 0.1 to 1.5% concentration, obtaining hydration of collagen contained in the skins, the process is carried out in glass containers, in the temperature from 15 to 20°C , for 24 to 48 hours, conducting a running visual control of the process, next follows an operation of filtration using silk filters of increasing density, by repeated filtering the cell elements, pigments and remains of the acid solution are removed from collagen wherein the natural silk filters have a structure similar to the structure of collagen, which prevents damage to the collagen structure.

2. (currently amended) The method of obtaining collagen according to claim 1 is distinctive by this, that the operation of filtering is repeated 15 to 20 times, using natural silk filters, eliminating from the surface of collagen pigments, elements of cells, retaining not bounded hydrate of lactic acid and getting rid of the characteristic smell, leaving the biological activity of an extracellular protein.

3. (currently amended) A method of obtaining biologically active collagen from skins of fish of the family of salmonidae having pink flesh comprising

subjecting the processed raw material to a separation for cleaning purposes ~~selection~~ and washing, wherein the process of cleaning encompasses manual cleaning with the use of tools made of natural materials,

removing scales, ~~skills~~ gills and meat tissue from the skins,

placing raw material prepared in this fashion into a solution of lactic acid of more than 0.1 ~~to 1.5~~ % concentration,

obtaining hydration of collagen contained in the skins by a process carried out in glass containers, in the temperature range from 15 to 20°C , for 24 to 48 hours,

conducting a running visual control of the process,

performing a filtration using silk filters of increasing density,
removing cell elements, pigments and remains of the acid solution from
collagen by repeated filtering;
employing natural silk filters having a structure similar to the structure of
collagen for preventing damage to the collagen structure.

4. (currently amended) ~~[[The]]~~ A method of obtaining collagen
according to claim 3,

biologically active collagen from skins of fish of the family of salmonidae
having pink flesh comprising

subjecting the processed raw material to a separation for cleaning purposes
and washing, wherein the process of cleaning encompasses manual
cleaning with the use of tools made of natural materials,

removing scales, gills and meat tissue from the skins,

placing raw material prepared in this fashion into a solution of lactic acid
of 0.1 to 1.5 % concentration,

obtaining hydration of collagen contained in the skins by a process carried
out in glass containers, in the temperature range from 15 to 20°C , for 24 to
48 hours,

conducting a running visual control of the process,

performing a filtration using silk filters of increasing density,
removing cell elements, pigments and remains of the acid solution from
collagen by repeated filtering;
employing natural silk filters having a structure similar to the structure of
collagen for preventing damage to the collagen structure,
wherein the operation of filtering is repeated 15 to 20 times, using natural
silk filters, eliminating from the surface of collagen pigments, elements of
cells, retaining not bounded hydrate of lactic acid and getting rid of the
characteristic smell, leaving the biological activity of an extracellular
protein.

5. (currently amended) [[The]] A method of obtaining
biologically active collagen from skins of fish of the family of salmonidae
having pink flesh comprising
subjecting the processed raw material to a separation for cleaning purposes
and washing, wherein the process of cleaning encompasses manual
cleaning with the use of tools made of natural materials,
removing scales, gills and meat tissue from the skins,
placing raw material prepared in this fashion into a solution of lactic acid
of 0.1 to 1.5 % concentration,

obtaining hydration of collagen contained in the skins by a process carried out in glass containers, in the temperature range from 15 to 20°C , for 24 to 48 hours,

conducting a running visual control of the process,

performing a filtration using silk filters of increasing density,

removing cell elements, pigments and remains of the acid solution from collagen by repeated filtering;

employing natural silk filters having a structure similar to the structure of collagen for preventing damage to the collagen structure

~~collagen according to claim 3,~~

wherein the natural materials are a selected from a ~~member~~ of the group consisting of glass, wood and combinations thereof.